

FIG. 1

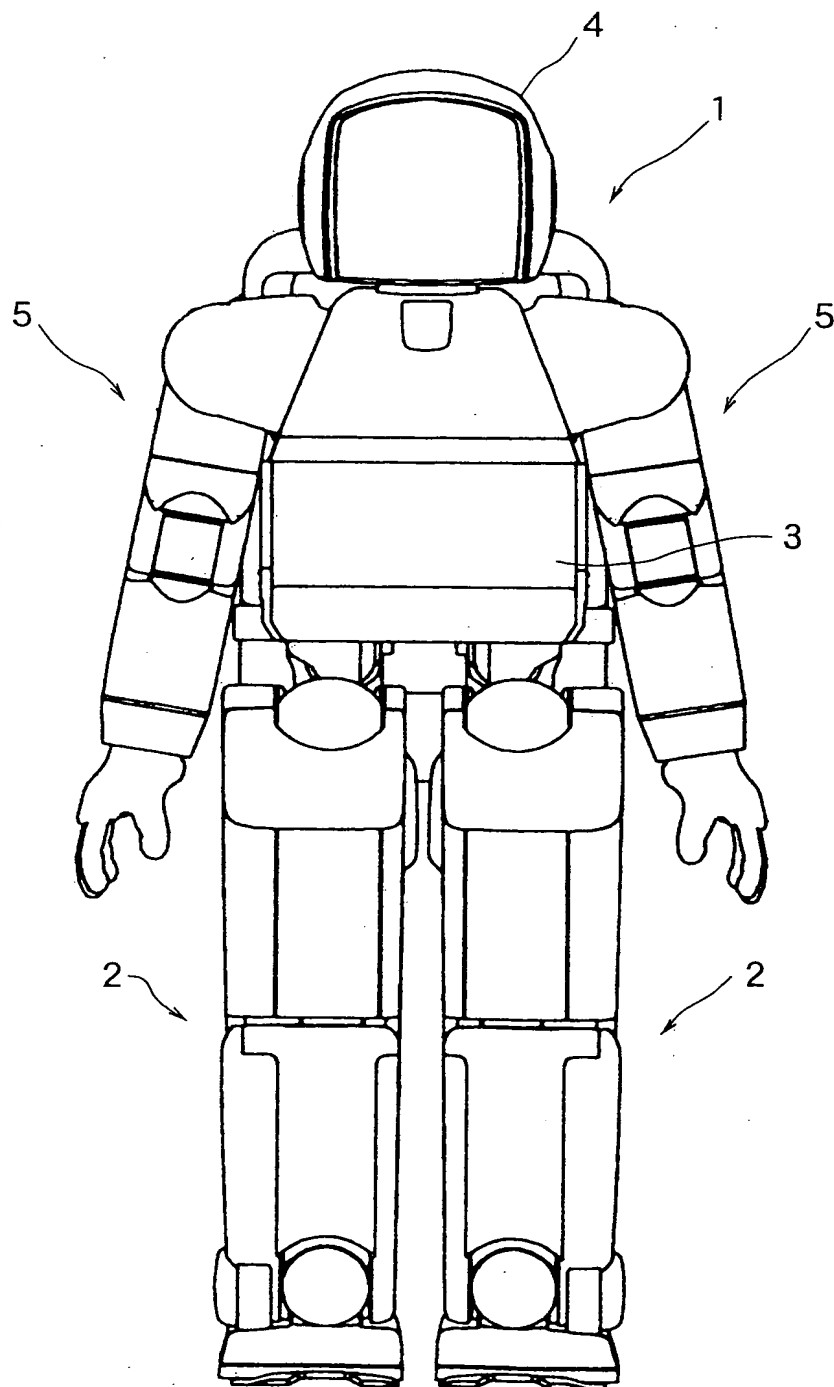


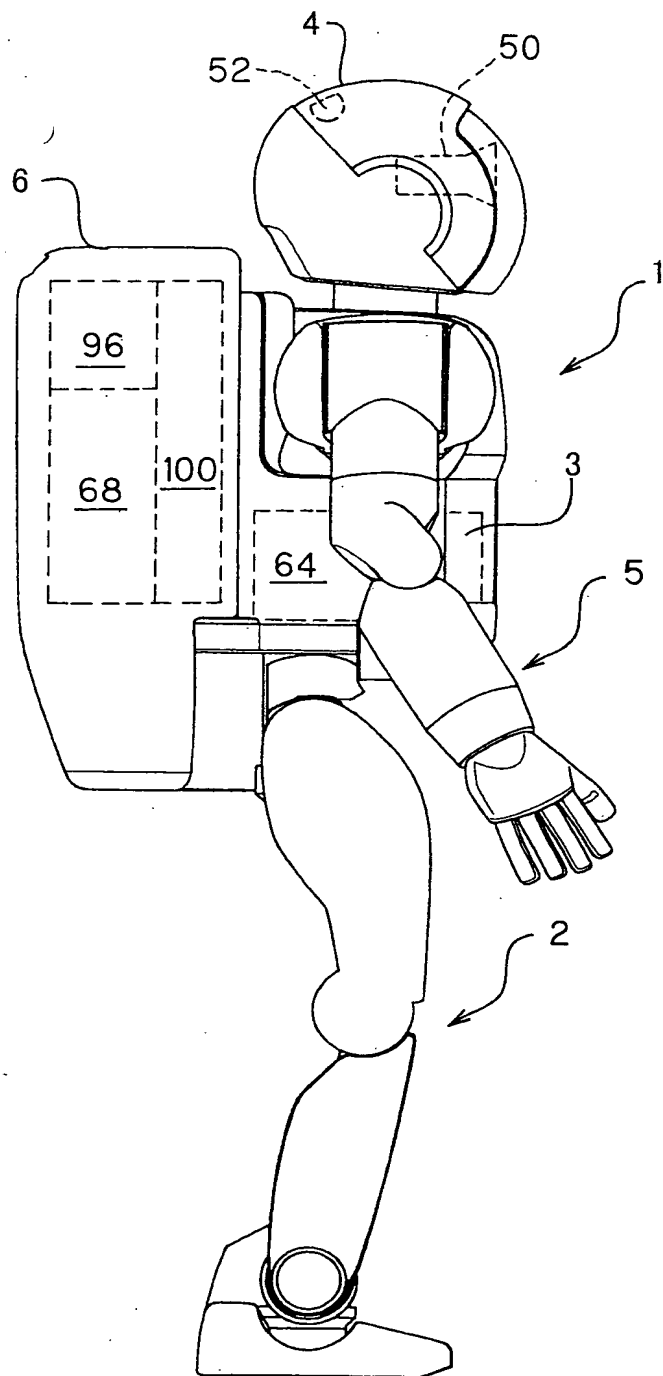
FIG. 2

FIG. 3

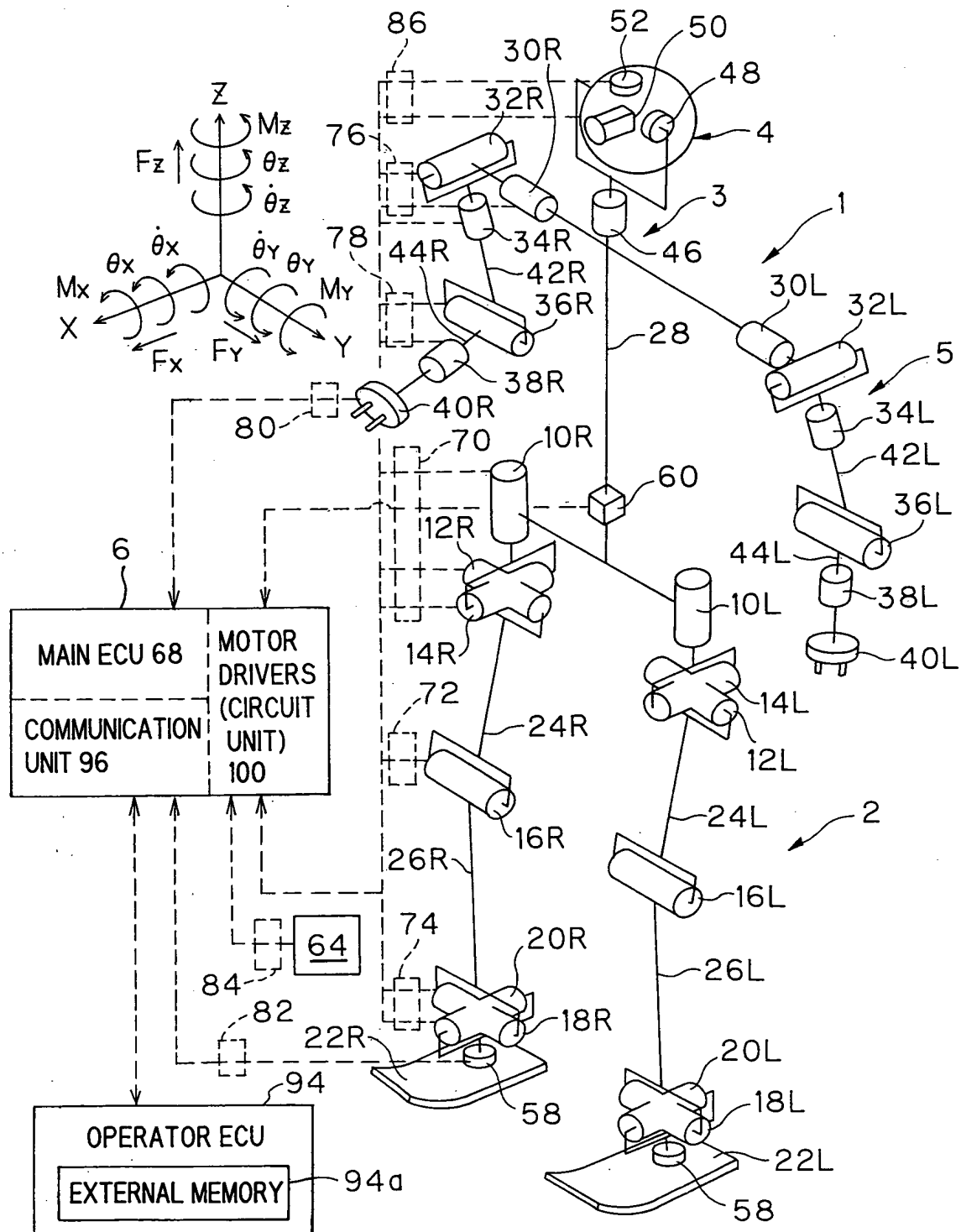


FIG. 4

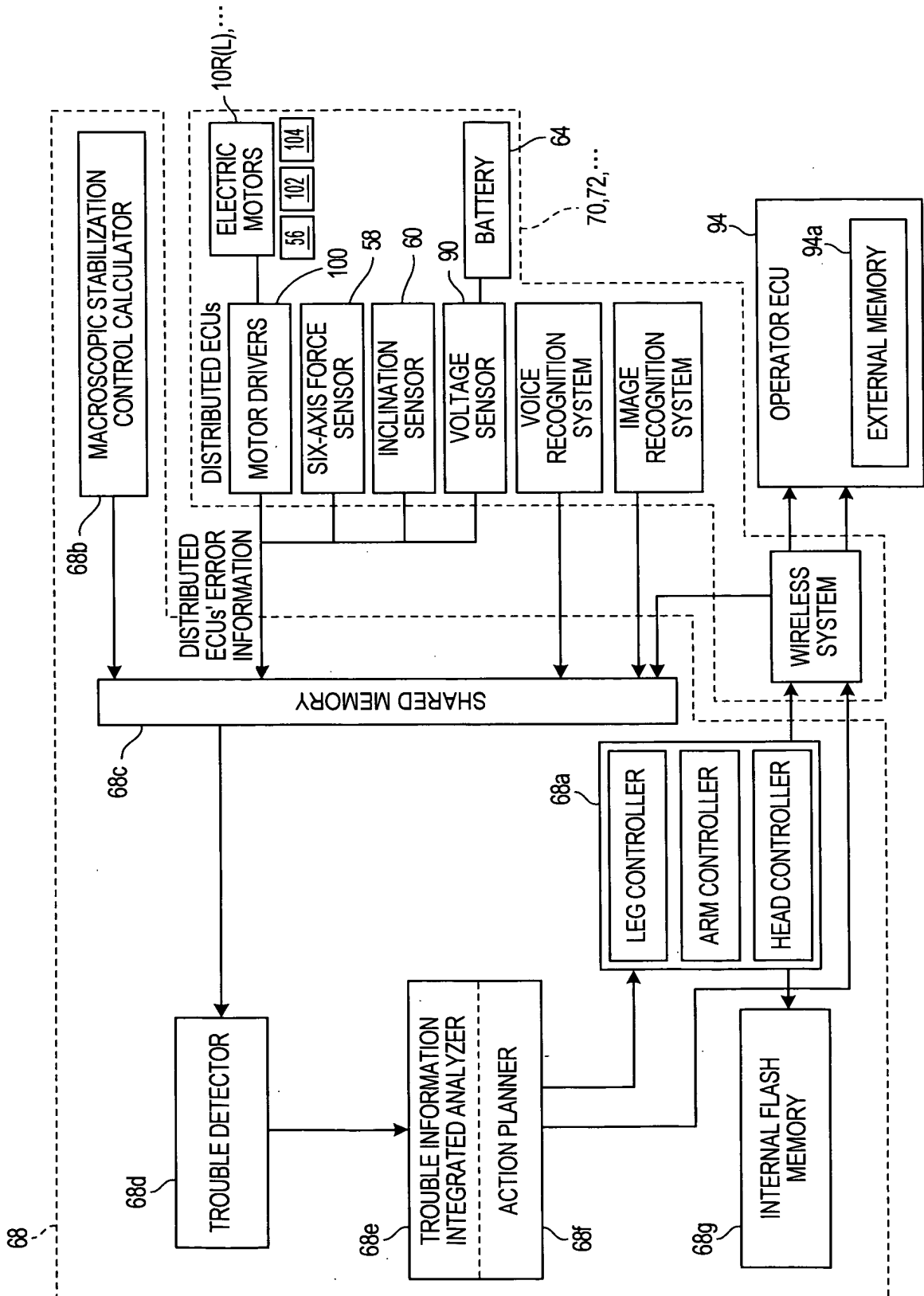


FIG.5

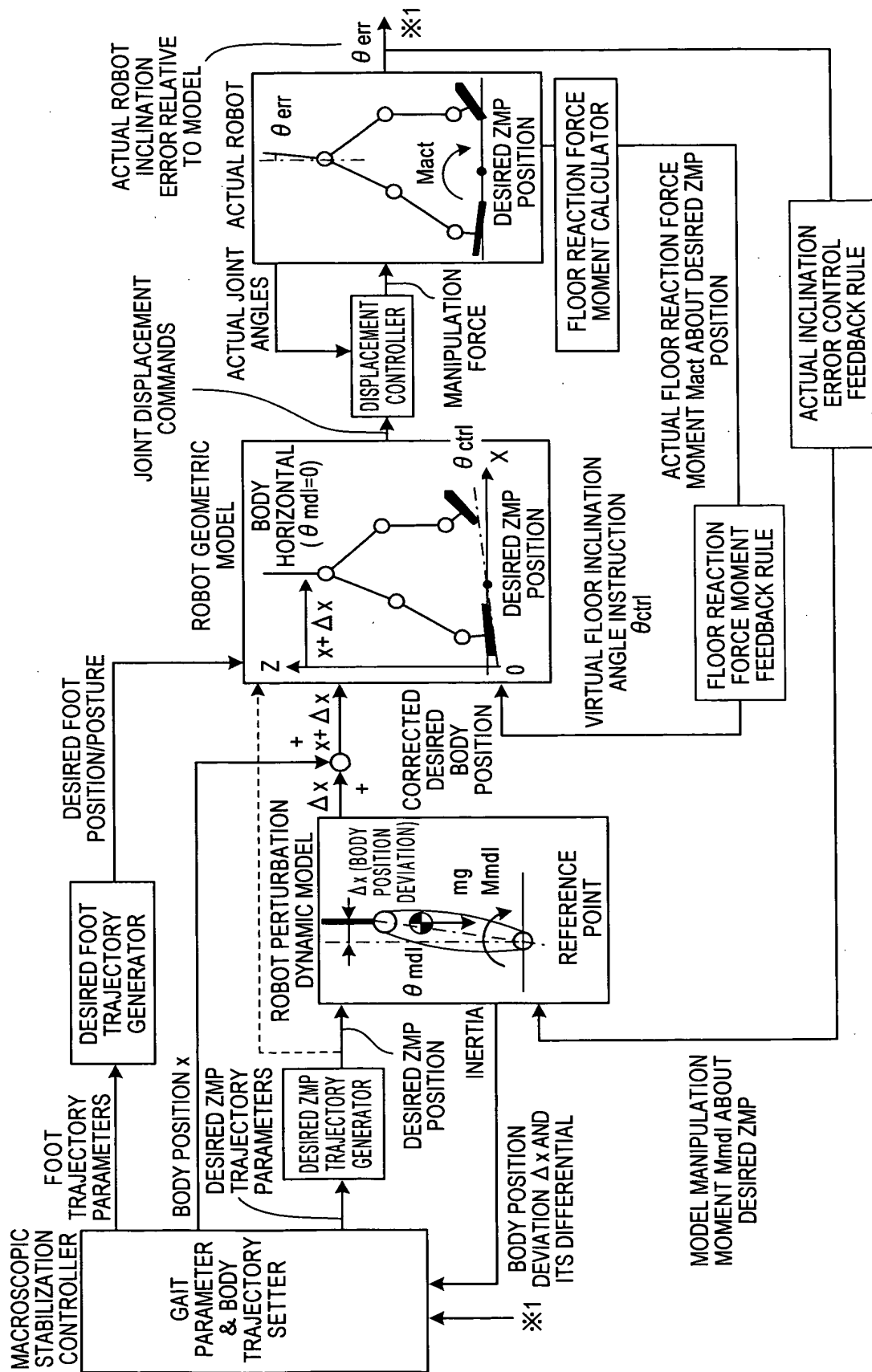


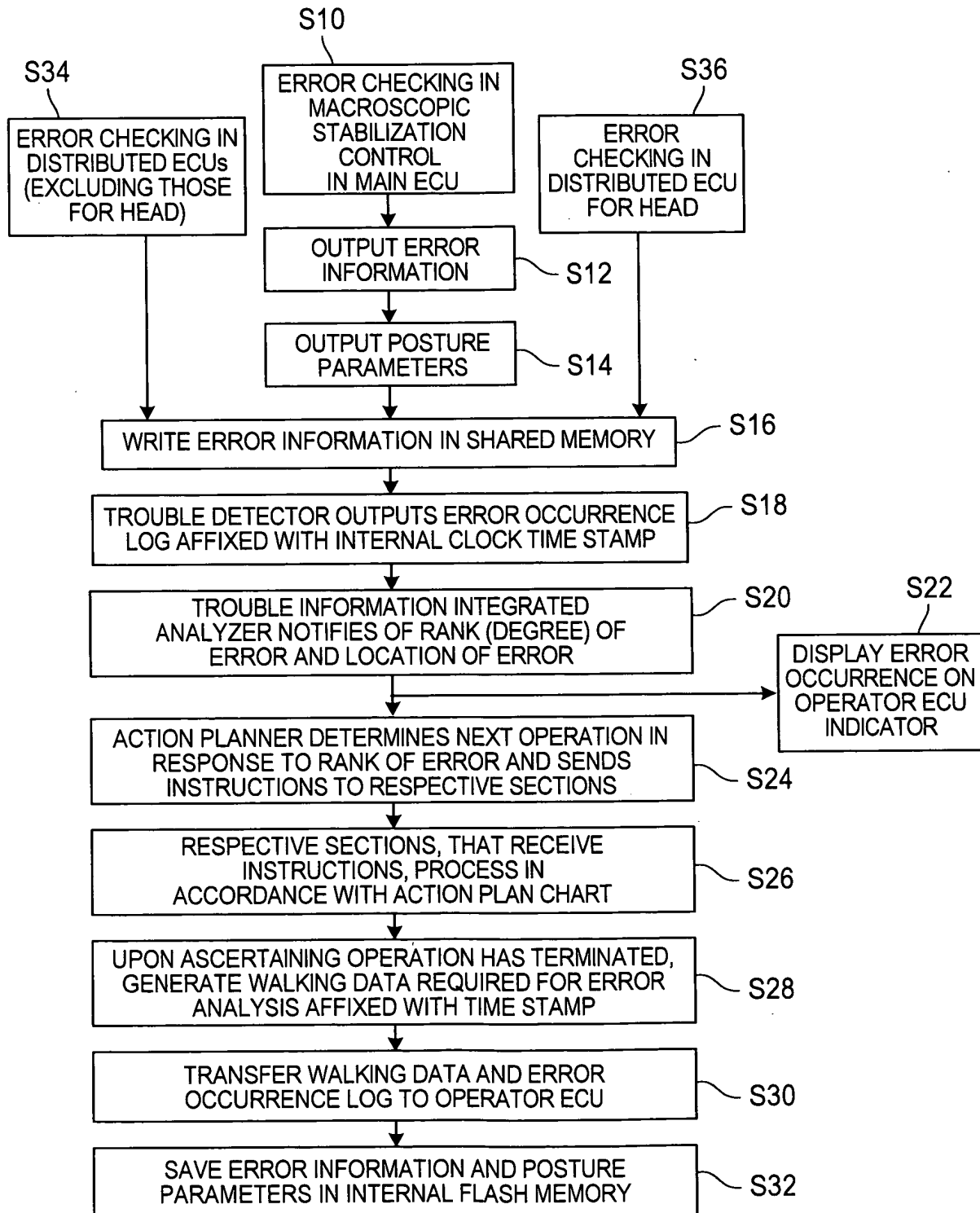
FIG.6

FIG.7

SUBJECT OF ERROR CHECKING	RANK (DEGREE) OF ERRORS	ACTION PLAN (STABLE STAGE TRANSITION CONTROL)
MACROSCOPIC STABILIZATION CONTROL	FATAL	CONTROL TO STOP ROBOT IMMEDIATELY
ELECTRIC MOTORS	SMALL	INFORM, BUT CONTINUE ROBOT CONTROL
	WARNING	CONTINUE CONTROL UNTIL COMPLETION OF WALKING STEP IN PROGRESS
	FATAL	CONTROL TO STOP ROBOT IMMEDIATELY
INCLINATION SENSOR	FATAL	SWITCH TO SUB-GYRO AND CONTROL TO STOP ROBOT IMMEDIATELY
SIX-AXIS FORCE SENSOR, ETC.	FATAL	USE SUBSTITUTE VALUE AND CONTROL TO STOP ROBOT IMMEDIATELY
BATTERY, WIRELESS SYSTEM, VOICE AND IMAGE RECOGNITION SYSTEMS	WARNING	CONTINUE CONTROL UNTIL COMPLETION OF WALKING STEP IN PROGRESS

FIG.8

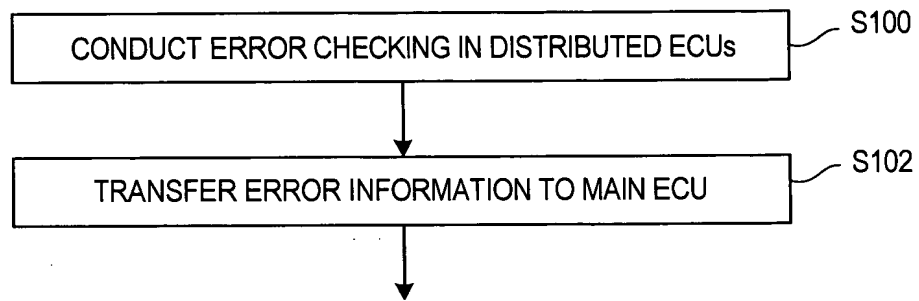


FIG.9

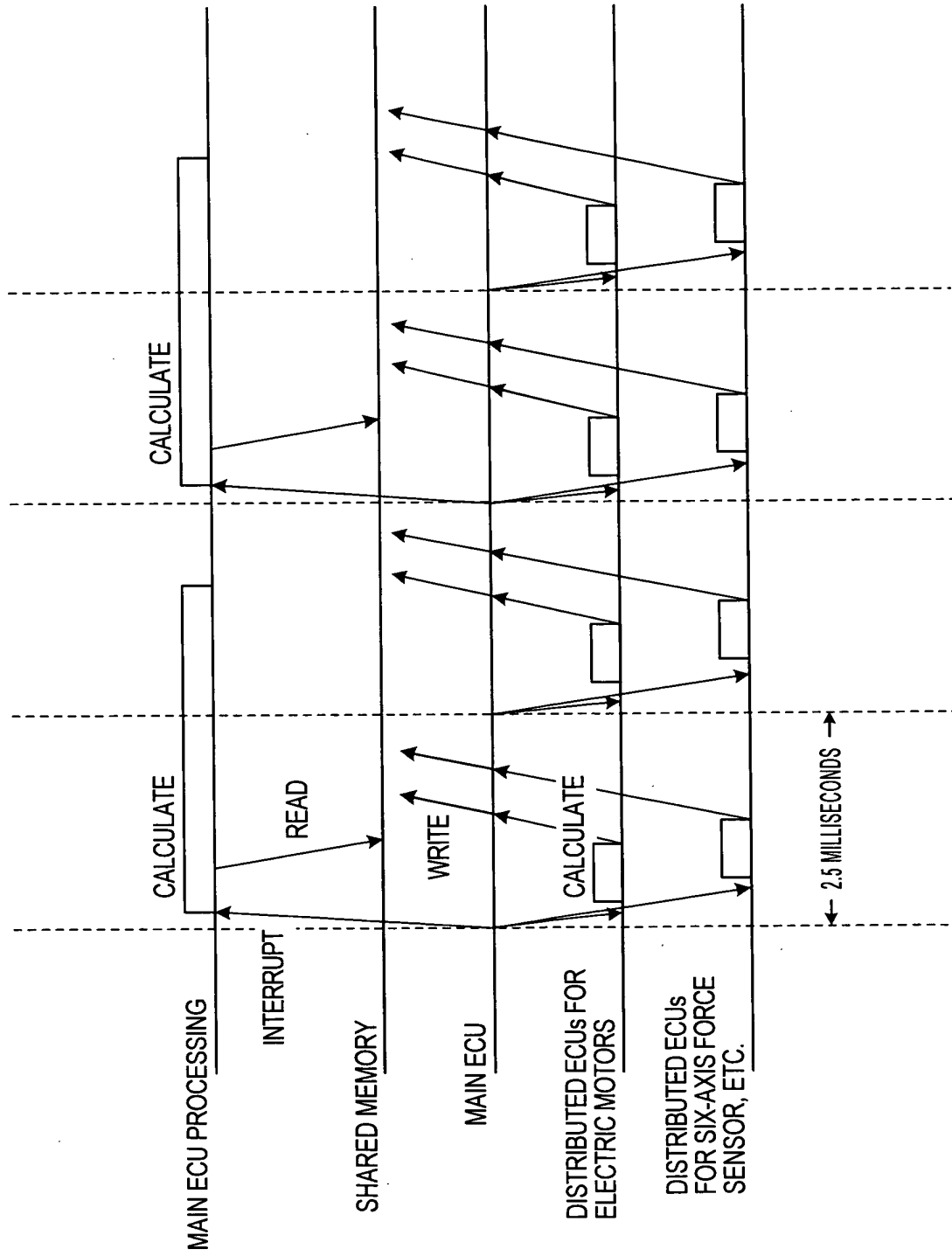


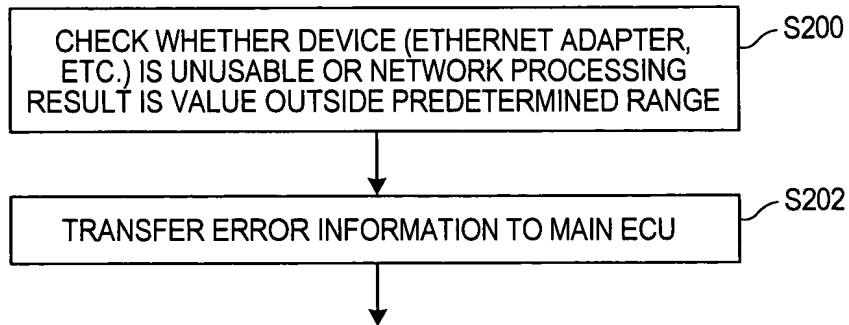
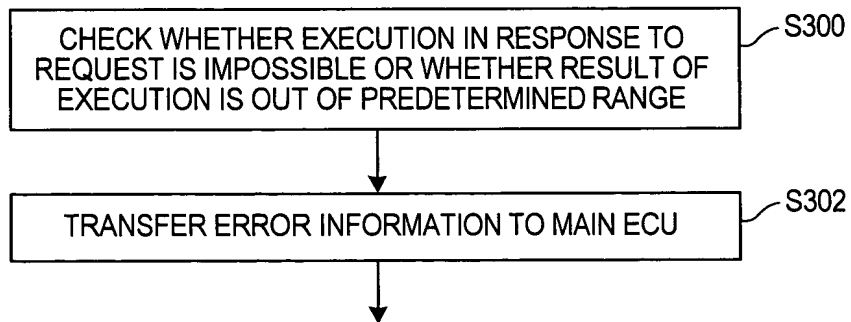
FIG.10**FIG.11**

FIG.12

